DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY

As [a] below named inventor(s), I/we hereby declare that:

Y. Tom Tang, Ping Zhou, Ryle Goodrich, Chenghua Liu, Vinod Asundi, Feiyan Ren, Qing A. Zhao, Yonghong Yang, Tom Wehrman, Radoje T. Drmanac

My/our residence, post office address and citizenship is/are as stated below next to my/our name(s).

I/we believe I/we am/are an/the original, first and sole/joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES, the specification of which

| is | attacl | hed | hereto. |
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 \mathbf{X} was filed on 11/30/00 as Application Serial Number 09/728,422.

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I/We hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate, listed below and so identified, and I/we have also identified below any foreign application for patent or inventor's certificate on this invention filed by me or my legal representatives or assigns and having a filing date before that of the application on which priority is claimed:

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| Attorney or Agent | Registration No. | Attorney or Agent | Registration No. |
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| Matthew J. Golden | 35,161 | Janine Susan | 46,119 |
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Petrina Hsi, Reg. No. 38,496, Li-Hsien Rin-Laures, M.D., Reg. No. 33,547 and Luisa Bigornia, Reg. No. 45,974 of HYSEQ, INC., 675 Almanor Avenue, Sunnyvale, CA 94086.

Please address all telephone calls to <u>Ivor R. Elrifi</u> at telephone number 617/348-1747. Please address all correspondence to:

| Full name of first joint inventor: | Y. Tom Tang |
|---------------------------------------|---|
| Inventor's signature: | U. Jam Joseph Date: 1-eb. 22, 2002 |
| Residence and Post Office Address: | 4230 Ranwick Court, San Jose, CA 95118 |
| Citizenship: | United States of America |
| | |
| Full name of second joint inventor: | Ping Zhou |
| Inventor's signature: | Pozh Date: 02/2//02 |
| Residence and Post Office Address: | 7595 Newcastle Drive, Cupertino, CA 95014 |
| Citizenship: | People's Republic of China |
| | |
| Full name of third joint inventor: | Ryle Goodrich |
| Inventor's signature: | Date: |
| Residence and Post Office Address: | 4846 Sandy Lane, San Jose, CA 95124 |
| Citizenship: | United States of America |
| | |

| Full name of fourth joint inventor: | Chenghua Liu |
|---------------------------------------|--|
| Inventor's signature: | Date: |
| Residence and Post Office Address: | 1125 Ranchero Way, Apt. # 14, San Jose, CA 95117 |
| Citizenship: | People's Republic of China |
| Full name of fifth joint inventor: | Vinod Asundi |
| Inventor's signature: | Date: |
| Residence and Post Office Address: | 709 Foster City Blvd., Foster City, CA 94404 |
| Citizenship: | United States of America |
| Full name of sixth joint inventor: | Feiyan Ren |
| Inventor's signature: | Date: |
| Residence and Post Office Address: | 7703 Oak Meadow Court, Cupertino, CA 95014 |
| Citizenship: | United States of America |
| Full name of seventh joint inventor: | Qing A. Zhao |
| Inventor's signature: | Date: |
| Residence and Post Office Address: | 1556 Kooser Road, San Jose, CA 95118 |
| Citizenship: | People's Republic of China |

| Full name of eighth joint inventor: | Yonghong Yang |
|--|---|
| Inventor's signature: | Date: |
| Residence and Post Office Address: | 4230 Ranwick Court, San Jose, CA 95118 |
| Citizenship: | People's Republic of China |
| Full name of ninth joint inventor: Inventor's signature: Residence and Post Office Address: Citizenship: | Tom Wehrman Date: 2/24/0 > CCSR Mol Pharm 3210, 269 W. Campus Drive, Stanford, CA 94305 United States of America |
| Full name of tenth joint inventor: Inventor's signature: Residence and Post Office Address: | Radoje T. Drmanac Date: 2/2/62 850 East Greenwich Place, Palo Alto, CA 94303 |
| Citizenship: | United States of America |



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I/We hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I/we acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

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| Full name of seventh joint inventor: | Qing A. Zhao |
| Inventor's signature: | Date: |
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| Full name of eighth joint inventor: | Yonghong Yang |
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| Inventor's signature: | Date: |
| Residence and Post Office Address: | CCSR Mol Pharm 3210, 269 W. Campus Drive, Stanford, CA 94305 |
| Citizenship: | United States of America |
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| Full name of tenth joint inventor: | Radoje T. Drmanac |
| Inventor's signature: | Date: |
| Residence and Post Office Address: | 850 East Greenwich Place, Palo Alto, CA 94303 |
| | |

United States of America



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| Residence and Post Office Address: | 1125 Ranchero Way, Apt. # 14, San Jose, CA 95117 |
| Citizenship: | People's Republic of China |
| Full name of fifth joint inventor: Inventor's signature: | Vinod Asundi Date: |
| Residence and Post Office Address: | 709 Foster City Blvd., Foster City, CA 94404 |
| Citizenship: | United States of America |
| Full name of sixth joint inventor: Inventor's signature: | Feiyan Ren Date: |
| Residence and Post Office Address: | 7703 Oak Meadow Court, Cupertino, CA 95014 |
| Citizenship: | United States of America |
| Full name of seventh joint inventor: | Qing A. Zhao |
| Inventor's signature: | Date: |
| Residence and Post Office Address: | 1556 Kooser Road, San Jose, CA 95118 |
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| Full name of eighth joint inventor: | Yonghong Yang |
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| Full name of ninth joint inventor: | Tom Wehrman |
| Inventor's signature: | Date: |
| Residence and Post Office Address: | CCSR Mol Pharm 3210, 269 W. Campus Drive, Stanford, CA 94305 |
| Citizenship: | United States of America |
| Full name of tenth joint inventor: | Radoje T. Drmanac |
| Inventor's signature: | Date: |
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| 09/560,875 | April 27, 2000 | Pending |
| 09/496,914 | February 03, 2000 | Pending |

| Attorney or Agent | Registration | Attorney or Agent | Registration |
|----------------------|--------------|-------------------------|--------------|
| | No. | | No. |
| Kevin Ainsworth | 39,586 | Shane Hunter | 41,858 |
| Ingrid Beattie | 42,306 | David E. Johnson | 41,874 |
| William Belanger | 40,509 | Christina Karnakis | 45,899 |
| Charles E. Bell | 48,128 | Kristin E. Konzak | 44,848 |
| Naomi Biswas | 38,384 | Cynthia Kozakiewicz | 42,764 |
| Bradford C. Blaise | 47,429 | Barry J. Marenberg | 40,715 |
| Sean M. Coughlin | 48,593 | A. Jason Mirabito | 28,161 |
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| Ivor R. Elrifi | 39,529 | Brian Rosenbloom | 41,276 |
| Heidi A. Erlacher | 45,409 | Robert J. Sayre | 42,124 |
| John M. Garvey | 37,833 | C. Eric Schulman | 43,350 |
| James G. Gatto | 32,694 | Gregory J. Sieczkiewicz | 48,223 |
| Richard Gervase | 46,725 | Thomas M. Sullivan | 39,392 |
| Matthew J. Golden | 35,161 | Janine Susan | 46,119 |
| Sonia K. Guterman | 44,729 | Nicholas P. Triano III | 36,397 |
| John A. Harre | 37,345 | Howard Susser | 33,556 |
| Brian P. Hopkins | 42,669 | | • |

all of MINTZ, LEVIN, COHN, FERRIS, GLOVSKY AND POPEO PC, as Applicant's attorneys with full power of substitution and revocation to take any and all action necessary with regard to the above-identified patent.

and

Petrina Hsi, Reg. No. 38,496, Li-Hsien Rin-Laures, M.D., Reg. No. 33,547 and Luisa Bigornia, Reg. No. 45,974 of HYSEQ, INC., 675 Almanor Avenue, Sunnyvale, CA 94086.

Please address all telephone calls to <u>Ivor R. Elrifi</u> at telephone number 617/348-1747. Please address all correspondence to:

| full name of first joint inventor: | Y. Tom Tang | |
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| Inventor's signature: | | Date: |
| Residence and Post Office Address: | 4230 Ranwick Court, San Jose, CA | 95118 |
| Citizenship: | United States of America | |
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| Full name of second joint inventor: | Ping Zhou | |
| Inventor's signature: | | Date: |
| Residence and Post Office Address: | 7595 Newcastle Drive, Cupertino, C | CA 95014 |
| Citizenship: | People's Republic of China | |
| | | |
| Full name of third joint inventor: | Ryle Goodrich | |
| Inventor's signature: | | Date: |
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| Citizenship: | United States of America | |
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| Full name of fourth joint inventor: | Chenghua Liu | |
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| Inventor's signature: | | Date: |
| Residence and Post Office Address: | 1125 Ranchero Way, Apt. # 14, San | n Jose, CA 95117 |
| Citizenship: | People's Republic of China | |
| Full name of fifth joint inventor: | Vinod Asundi | |
| Inventor's signature: | | Date: |
| Residence and Post Office Address: | 709 Foster City Blvd., Foster City, | CA 94404 |
| Citizenship: | United States of America | |
| Full name of sixth joint inventor: Inventor's signature: | Feiyan Ren | Date: |
| Residence and Post Office Address: | 7703 Oak Meadow Court, Cupertino | (|
| Citizenship: | United States of America | |
| Full name of seventh joint inventor: | Qing A. Zhao | |
| Inventor's signature: | | Date: |
| Residence and Post Office Address: | 1556 Kooser Road, San Jose, CA 95 | 118 |
| Citizenship: | People's Republic of China | |

| Full name of eighth joint inventor: | Yonghong Yang |
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| Inventor's signature: | Date: |
| Residence and Post Office Address: | 4230 Ranwick Court, San Jose, CA 95118 |
| Citizenship: | People's Republic of China |
| Full name of ninth joint inventor: | Tom Wehrman |
| Inventor's signature: | Date: |
| Residence and Post Office Address: | CCSR Mol Pharm 3210, 269 W. Campus Drive, Stanford, CA 94305 |
| Citizenship: | United States of America |
| Full name of tenth joint inventor: | Radoje T. Drmanac |
| Inventor's signature: | Date: |
| Residence and Post Office Address: | 850 East Greenwich Place, Palo Alto, CA 94303 |
| Citizenship: | United States of America |



DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY

As [a] below named inventor(s), I/we hereby declare that:

Y. Tom Tang, Ping Zhou, Ryle Goodrich, Chenghua Liu, Vinod Asundi, Feiyan Ren, Qing A. Zhao, Yonghong Yang, Tom Wehrman, Radoje T. Drmanac

My/our residence, post office address and citizenship is/are as stated below next to my/our name(s).

I/we believe I/we am/are an/the original, first and sole/joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES, the specification of which

| | is attached hereto. |
|----------|--|
| <u>X</u> | was filed on 11/30/00 as Application Serial Number 09/728,422. |

I/We hereby state that I/we have reviewed and understand the contents of the above-identified specification, including the claims as amended by any amendment referred to above.

I/We acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56(a).

I/We hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate, listed below and so identified, and I/we have also identified below any foreign application for patent or inventor's certificate on this invention filed by me or my legal representatives or assigns and having a filing date before that of the application on which priority is claimed:

| NUMBER | COUNTRY | DAY/MONTH/ YEAR FILED | PRIORITY CLAIMED - YES OR NO |
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| Brian P. Hopkins | 42,669 | 220 Hara Dabbot | 55,550 |

all of MINTZ, LEVIN, COHN, FERRIS, GLOVSKY AND POPEO PC, as Applicant's attorneys with full power of substitution and revocation to take any and all action necessary with regard to the above-identified patent.

and

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| Inventor's signature: | Date: |
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| Citizenship: | United States of America |
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| Full name of fourth joint inventor: | Chenghua Liu |
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| Inventor's signature: | Date: |
| Residence and Post Office Address: | 1125 Ranchero Way, Apt. # 14, San Jose, CA 95117 |
| Citizenship: | People's Republic of China |
| Full name of fifth joint inventor: Inventor's signature: Residence and Post Office Address: | Vinod Asundi Date: 709 Foster City Blvd., Foster City, CA 94404 |
| Citizenship: | United States of America |
| Full name of sixth joint inventor: Inventor's signature: Residence and Post Office Address: | Feiyan Ren Date: 7703 Oek Moodow Court Corporting CA 95014 |
| | 7703 Oak Meadow Court, Cupertino, CA 95014 |
| Citizenship: | United States of America |
| Full name of seventh joint inventor: Inventor's signature: Residence and Post | Qing A. Zhao Date: 1/23/02. |
| Office Address: | 1556 Kooser Road, San Jose, CA 95118 |
| Citizenship: | People's Republic of China |

| Full name of eighth joint inventor: | Yonghong Yang |
|---------------------------------------|--|
| Inventor's signature: | Date: |
| Residence and Post Office Address: | 4230 Ranwick Court, San Jose, CA 95118 |
| Citizenship: | People's Republic of China |
| | |
| Full name of ninth joint inventor: | Tom Wehrman |
| Inventor's signature: | Date: |
| Residence and Post Office Address: | CCSR Mol Pharm 3210, 269 W. Campus Drive, Stanford, CA 94305 |
| Citizenship: | United States of America |
| | |
| Full name of tenth joint inventor: | Radoje T. Drmanac |
| Inventor's signature: | Date: |
| Residence and Post Office Address: | 850 East Greenwich Place, Palo Alto, CA 94303 |
| Citizenship: | United States of America |



DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY

As [a] below named inventor(s), I/we hereby declare that:

Y. Tom Tang, Ping Zhou, Ryle Goodrich, Chenghua Liu, Vinod Asundi, Feiyan Ren, Qing A. Zhao, Yonghong Yang, Tom Wehrman, Radoje T. Drmanac

My/our residence, post office address and citizenship is/are as stated below next to my/our name(s).

I/we believe I/we am/are an/the original, first and sole/joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES, the specification of which

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| first joint inventor: | Y. Tom Tang |
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| Citizenship: | United States of America |
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| Citizenship: | People's Republic of China |
| | |
| Full name of third joint inventor: | Ryle Goodrich |
| Inventor's signature: | Date: |
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| Full name of fourth joint inventor: | Chenghua Liu |
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| Inventor's signature: | Date: |
| Residence and Post Office Address: | 1125 Ranchero Way, Apt. # 14, San Jose, CA 95117 |
| Citizenship: | People's Republic of China |
| Full name of | |
| fifth joint inventor: | Vinod Asundi |
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| Full name of eighth joint inventor: | Yonghong Yang |
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| Inventor's signature: | Jr J Date: 2/20/02 |
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| Full name of | |
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| tenth joint inventor: | Radoje T. Drmanac |
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| Citizenship: | United States of America |